

Abstract

A hand-operated device for measuring, dispensing and storing of powder, granular and grain materials, having filling and discharging/storing positions, comprising: a container wherein the material is stored and a measuring and dispensing unit attached to the container. In the preferred embodiment the unit includes: a housing having interconnected material receiving and material discharging openings; a slide moveable back and forth inside the passageway, delivers the material from the receiving opening to the discharging opening, accommodating a predetermined volume of the material dispensed by the device in one stroke; an extended means preventing bridging of the dispensed material, a spring, being extended when the slide moves inside said housing due to an outside force applied to the slide and returning the slide into its original position after the outside force is released; a retaining apparatus holding the slide inside the housing in its discharging position when the device is not in use, a stopping apparatus fixing filling position of the slide; and a apparatus providing airtight closing of the ways of possible penetration of air from the container to outside atmosphere or back. In the first version of the preferred embodiment the device includes also sheering means capable to cut out non-solid grains when the slide is moved from the filling to the discharging position. In the second version of the preferred embodiment the device is capable of measuring and dispensing solid grain materials, and in addition the transporting mechanism includes also a screening mechanism capable to close or open the compartment in the slide wherein the dispensed material is received.